

ABSTRACT OF THE DISCLOSURE

Non-woven protective garments consisting of multi-layer composite barrier fabrics where at least one of the layers is made of an elastomeric material comprising finely divided phase change materials such as crystalline alkyl hydrocarbons or salt hydrates facilitate thermo-regulation due to latent heat absorption and latent heat release in the phase transition range of the phase change material, which improves the thermal performance and enhances the comfort of non-woven protective garments significantly.